IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A process for manufacturing flat glass rich in lead oxide, comprising the continuous floating, in a float plant with a neutral gaseous atmosphere, of a glass comprising at least 30% lead oxide by weight on a bath of molten metal having a higher density than that of the glass.

Claim 2 (Currently Amended): The process as claimed in ~~the preceding claim, characterized in that~~ claim 1, wherein the neutral gaseous atmosphere ~~contains~~ comprises less than 5 ppmv oxygen.

Claim 3 (Currently Amended): The process as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the neutral gaseous atmosphere ~~contains~~ comprises essentially nitrogen.

Claim 4 (Currently Amended): The process as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the temperature of the bath of molten metal is lower than the temperature of a bath of molten metal in a float plant for a soda-lime-silica glass containing no lead.

Claim 5 (Currently Amended): The process as claimed in ~~the preceding claim, characterized in that~~ claim 1, wherein the temperature of the float glass is between 500 and 800°C.

Claim 6 (Currently Amended): The process as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein a molten metal treatment station is ~~associated~~ included with said bath.

Claim 7 (Currently Amended): The process as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the glass comprises at least 45% lead oxide by weight.

Claim 8 (Currently Amended): The process as claimed in ~~the preceding claim, characterized in that~~ claim 1, wherein the glass comprises at least 60% lead oxide by weight.

Claim 9 (Currently Amended): The process as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein the glass has a density ranging from 4 to 6.

Claim 10 (Currently Amended): The process as claimed in ~~the preceding claim, characterized in that~~ claim 1, wherein the glass has a density ranging from 4.3 to 5.5.

Claim 11 (Currently Amended): The process as claimed in ~~one of the preceding claims, characterized in that~~ claim 1, wherein, before the float plant, the glass is melted in a furnace that includes at least one submerged burner.

Claim 12 (Currently Amended): The process as claimed in ~~the preceding claim, characterized in that~~ claim 11, wherein the furnace comprises at least two tanks in series, the second tank being fed with lead oxide.

Claim 13 (Currently Amended): The process as claimed in ~~the preceding claim, characterized in that~~ claim 12, wherein the first tank is equipped with at least one submerged burner and is fed with the batch materials other than lead oxide.

Claim 14 (Currently Amended): The process as claimed in ~~either of the two preceding claims, characterized in that~~ claim 12, wherein the second tank is at a lower temperature than the first tank.

Claim 15 (Currently Amended): A flat glass comprising at least 30% lead oxide ~~PbO~~ by weight, manufactured by the process of ~~one of the preceding claims~~ claim 1.

Claim 16 (Currently Amended): A flat glass comprising at least 30% lead oxide ~~PbO~~ by weight, enriched on one face with tin.

Claim 17 (Currently Amended): The glass as claimed in ~~the preceding claim, characterized in that it comprises~~ claim 16, comprising at least 60% lead oxide by weight.

Claim 18 (Currently Amended): ~~The use~~ A method of using the glass of ~~one of the preceding glass claims~~ claim 16 for protection against X-rays.